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## WHAT IS CLAIMED IS:

1. A communication system comprising:

a plurality of relaying base stations continuously transmitting a data frame and a compressed data frame, the compressed data frame generated as a result of compressing said data frame as required for providing a period without data transmission; and

a mobile communication terminal comprising:

a transmitting and/or receiving means for transmitting and/or receiving actual data to/from said relaying base stations under a specific frequency;

a signal strength measuring means for measuring intensity of data signal transmitted from a relaying base station having a different frequency, by utilizing said period without data transmission generated by reception of said compressed data frames via said transmitting and/or receiving means;

a controlling means controlling frequency of data signal transmitted and received by said transmitting and/or receiving means based on a result of measurement by said signal strength measuring means, and then switching a relaying base station transmitting and/or receiving actual data;

a detecting means for detecting that said mobile communication terminal is in an approximately non-mobile condition; and

a non-mobile condition information transmitting means for transmitting via said transmitting and/or receiving means information on the approximately non-mobile condition detected by said detecting means to a relaying base station transmitting and/or receiving actual data; wherein

said relaying base station continuously transmits a data frame without providing said period without data transmission, based on the information on the approximately non-mobile condition from said mobile communication terminal

2. The communication system according to Claim 1, wherein each of

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said plurality of relaying base stations generates said compressed data frame from said data frame under a compressed mode.

- 3. The communication system according to Claim 1, wherein said non-mobile condition information transmitting means transmits information on the approximately non-mobile condition to said relaying base stations before starting transmission and/or reception of actual data.
  - 4. The communication system according to Claim 1, further comprising an operating means for inputting external information on the approximately non-mobile condition, wherein said detecting means detects input of information on the approximately non-mobile condition, the input performed through said operating means.
  - 5. The communication system according to Claim 1, wherein said detecting means detects a the approximately non-mobile condition by detecting that said communication terminal is loaded onto a fixing apparatus.
  - 6. The communication system according to Claim 5, wherein said fixing apparatus comprises a station unit connected to a computer and transfers data between said loaded communication terminal and said computer, wherein said communication terminal can be freely attached/detached to/from said fixing apparatus.
    - The communication system according to Claim 1, wherein said communication terminal comprises a portable telephone set and said actual data comprises telephone call data.
    - 8. A communication method comprising;

a transmitting step for continuously transmitting from a relaying base station a data frame and a compressed data frame generated by compressing said data frame as required for providing a period without data transmission;

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a signal strength measuring step for measuring intensity of data signal transmitted from a relaying base station having a different frequency, by utilizing said period without data transmission generated by reception of said compressed data frame via a transmitting and/or receiving means transmitting and receiving actual data to/from relaying base stations under a specific frequency; and

a base station selecting step for controlling frequency of transmission and reception of said transmitting and/or receiving means of said communication terminal based on a measurement result of said signal strength measurement step and switching a relaying base station transmitting and/or receiving actual data; wherein

said communication terminal detects whether said communication terminal is on approximately non-mobile condition, and then transmits via said transmitting and/or receiving means information on said detected approximately non-mobile condition to said relaying base station transmitting and/or receiving actual data; and

said relaying base station continuously transmits data frames without providing said period without data transmission during said transmitting step, based on said information on the approximately non-mobile condition transmitted from said communication terminal.

9. A communication terminal transmitting and/or receiving data signal to and to/from a relaying base station from a plurality of relaying base stations, said relaying base station continuously transmitting a data frame and compressed data frame generated by compressing said data fame as required for providing a period without data transmission, the communication terminal comprising:

a transmitting and/or receiving means for transmitting and/or receiving actual data to and from said relaying base station under a specific frequency;

a signal strength measuring means for measuring strength of data signal from a neighboring relaying base station using a different frequency by utilizing said period without data transmission generated as a result of reception of said compressed data frame via said transmitting and/or receiving means;

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a controlling means for controlling frequency of data signal from said transmitting and/or receiving means based on measurement result of said signal strength measuring means and switching relaying a base station transmitting and/or receiving actual data;

a detecting means for detecting an approximately non-mobile condition; and

a non-mobile condition information transmitting means transmitting via said transmitting and/or receiving means information on the approximately non-mobile condition detected by said detecting means to said relaying base transmitting and/or receiving actual data; wherein

said relaying base station continuously transmits data frame without providing said period without data transmission, based on received information on the approximately non-mobile condition.

- 10. The communication terminal according to Claim 9, wherein said switched relaying base station generates said compressed data frame from said data frame by applying a compressed mode.
- 20 11. The communication terminal according to Claim 9, wherein said non-mobile condition information transmitting means transmits said information on the approximately non-mobile condition before starting transmission and/or reception of actual data.
- 25 12. The communication system according to Claim 9, further comprising an operating means for inputting external information on the approximately non-mobile condition, wherein said detecting means detects input of information on the approximately non-mobile condition, the input performed through said operating means
  - 13. The communication system according to Claim 9, wherein said detecting means detects an approximately non-mobile condition by detecting that said communication terminal is loaded onto a fixing apparatus.

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- 14. The communication system according to Claim 13, wherein said fixing apparatus comprises a station unit connected to a computer and transfers data between said loaded communication terminal and said computer, wherein said communication terminal can be freely attached/detached to/from said fixing apparatus.
- 15. The communication terminal according to Claim 9, wherein said communication terminal comprises a portable telephone set and said actual data comprises telephone call data.